

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4921219

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICROSOFT CORPORATION	06/02/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15956061
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	425-707-9382
<b>Email:</b>	usdocket@microsoft.com
<b>Correspondent Name:</b>	MICROSOFT CORPORATION
<b>Address Line 1:</b>	ONE MICROSOFT WAY
<b>Address Line 4:</b>	REDMOND, WASHINGTON 98052
<b>ATTORNEY DOCKET NUMBER:</b>	329638-US-CNT3
<b>NAME OF SUBMITTER:</b>	JAMES STROM
<b>SIGNATURE:</b>	/James Strom/
<b>DATE SIGNED:</b>	04/18/2018
<b>Total Attachments: 5</b>	
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source=329638-01_Re-recordal-MTL_Assignment#page2.tif	
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source=329638-01_Re-recordal-MTL_Assignment#page5.tif	

**ASSIGNMENT OF PATENTS AND APPLICATIONS**

**1. ASSIGNMENT**

[FOR \$100 US (one hundred United States dollars)], and other good and valuable consideration, the receipt of which is hereby acknowledged,

Microsoft Corporation, a corporation organized under the laws of Washington and having an office and place of business at One Microsoft Way, Redmond, Washington 98052 ("ASSIGNOR"), hereby sells, assigns, transfers, and conveys to

Microsoft Technology Licensing, LLC, a limited liability company organized under the laws of Washington and having an office and place of business at One Microsoft Way, Redmond, Washington 98052 ("ASSIGNEE"),

all right, title and interest ASSIGNOR has in and to the patents and patent applications listed in Exhibit A, attached hereto, including any and all legal rights to sue for past, present and future infringement, to collect royalties, to prosecute all existing patent applications worldwide, to apply for additional patents worldwide and to have patents issue in the name of ASSIGNEE.

(1) ASSIGNOR requests and authorizes the appropriate officials in any country, to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(2) ASSIGNOR grants to ASSIGNEE and its agents authority and power to insert on this instrument any further identification necessary or desirable for purposes of recordation in the Patent and Trademark Office of any country.

(3) ASSIGNOR certifies that the person signing this assignment is a lawful representative of ASSIGNOR and is authorized to execute this assignment its behalf.

(4) The effective date of this assignment is 2<sup>nd</sup> day of July,  
2015 Signature of [Signature] for ASSIGNOR  
[Date] Keith R. Dolan, Assistant Secretary

I certify that the above-identified ASSIGNOR, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day in person, and acknowledged that the said instrument was signed and delivered as the free and voluntary act of the ASSIGNOR, for the uses and purposes therein set forth.

Given under my hand and seal, this \_\_\_\_\_ [Date].

\_\_\_\_\_

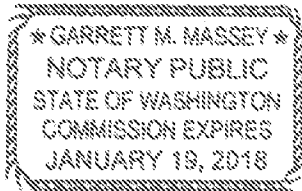
**ASSIGNMENTS OF PATENTS AND APPLICATIONS- Exhibit A**

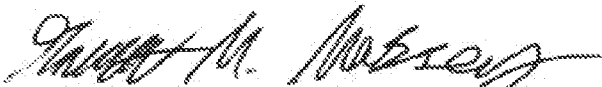
Patent Reference	Patent_Id	Country	Application number	Grant number	Title
	329638.01	United States of America	12/819100	8412882	LEVERAGING CHIP VARIABILITY

STATE OF WASHINGTON )  
 ) ss:  
COUNTY OF KING )

I certify that I know or have satisfactory evidence that Keith R. Dolliver is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument and acknowledged it as an Assistant Secretary of Microsoft Corporation to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated this 2nd day of July 2015.



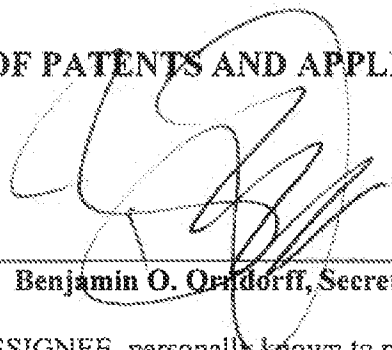
  
GARRETT M. MASSEY – NOTARY PUBLIC  
In and for the State of Washington, USA.  
Residing at Redmond, Washington, USA.  
My Appointment expires: 19 January 2018.

ASSIGNMENT OF PATENTS AND APPLICATIONS

ACCEPTANCE

7/2/15  
[Date]

Signature of



for ASSIGNEE.

**Benjamin O. Orndorff, Secretary**

I certify that the above-identified ASSIGNEE, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day in person, and acknowledged that the said instrument was signed and delivered as the free and voluntary act of the ASSIGNEE, for the uses and purposes therein set forth.

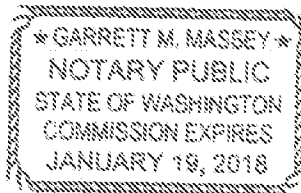
Given under my hand and seal, this \_\_\_\_\_ [Date].

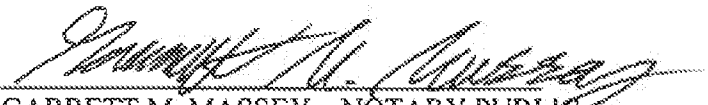
\_\_\_\_\_  
\_\_\_\_\_

STATE OF WASHINGTON )  
 ) ss:  
COUNTY OF KING )

I certify that I know or have satisfactory evidence that Benjamin O. Orndorff is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument and acknowledged it as a Secretary of Microsoft Technology Licensing, LLC to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated this 2nd day of July 2015.



  
GARRETT M. MASSEY - NOTARY PUBLIC  
In and for the State of Washington, USA.  
Residing at Redmond, Washington, USA.  
My Appointment expires: 19 January 2018.